



April 17, 2013

Stephanie Vaughn, Project Manager
USEPA Region 2
290 Broadway, 19th Floor
New York, New York 10007

Subject: ***April 2013 River Mile 10.9 Characterization QAPP Addendum D
Sediment and Pore Water Data Submission
Lower Passaic River Study Area (LPRSA)
River Mile (RM) 10.9 Removal Action (RA)
CERCLA Docket No. 02-2012-2015***

Dear Ms. Vaughn:

Enclosed please find an electronic data submittal for validated sediment and pore water sampling results associated with the RM 10.9 RA characterization and design activities for inclusion in the April 2013 Monthly Progress Report of the LPRSA RM 10.9 RA. Data in this submittal include validated field (sediment) and laboratory-generated (pore water) sample results as well as associated laboratory QC results.

The validated data zip archive file comprising this deliverable (LPR20130416.NJD980528996.zip) contains the following individual text files:

- LPR20130416.NJD980528996.Batch_v3.txt
- LPR20130416.NJD980528996.DataProvider_v3.txt
- LPR20130416.NJD980528996.Location_v3.txt
- LPR20130416.NJD980528996.Sample_v3.txt
- LPR20130416.NJD980528996.Site_v3.txt
- LPR20130416.NJD980528996.TestResultQC_v3.txt

In addition, you will also find a zip file containing preliminary laboratory EDDs with data that has yet to be validated for these sampling activities. Unvalidated data included in this submittal are in the form of raw Electronic Data Deliverables (EDDs) from ALS Laboratories (former Columbia Analytical Services - Kelso, WA) and Test America (Knoxville and North Canton laboratories). Since ddms is still working with laboratories to secure final EDDs, these laboratory EDDs are provided as-is. Final data will be submitted after data validation. Please note the following known issues/qualifications associated with these raw EDDs:

- EDDs were submitted to ddms by laboratories using the EPA Region 2 MEDD format but should not be considered final MEDD deliverables to EPA.
- Final MEDDs will be submitted after data validation updates are applied with a complete list values to be added to the EPA Region 2 MEDD reference value list and explanation of any remaining errors identified by the Electronic Data Processor (EDP) EDD checking software.

**Ms. S. Vaughn
LPRSA RM 10.9 RA
Sediment and Pore Water Data Submittal
April 17, 2013**

Unvalidated data are subject to revision pending EDD re-submittal from laboratories and data validation.

If you have any questions regarding this data submittal please contact me at 651-842-4232 or mkill@ddmsinc.com.

Sincerely,

de maximis Data Management Solutions, Inc.

A handwritten signature in black ink that reads "Mark D. Kill". The signature is fluid and cursive, with the first name "Mark" and last name "Kill" clearly legible.

Mark D. Kill
CPG Data Manager

/mdk

Attachment: Zip file with validated results MEDD and a zip file with unvalidated laboratory EDDs

cc: Bill Potter – *de maximis, inc.*
Rob Law – *de maximis, inc.*

The following is a list of reference values to be added to the EPA database.

Table	Column	Value	Description
Sample_v3.txt, TestResultQC_v3.txt	sample_matrix_code, lab_matrix_code	WPR	Pore Water (reference value from normal EPA R2 format but not found in LPR-specific format)
Sample_v3.txt	sample_type_code	PS	Post-preparation spike

The following errors generated by the EDP EDD checking software are not actually errors:

Table	Column	Error	Description
Location_v3.txt	alt_identifier	Missing required field	This field is not required in the schema. Documentation of the MEDD format says to leave blank
Location_v3.txt	Latitude, Longitude, Surf_elev, horz_collect_method_code, horz_accuracy_value, horz_accuracy_unit, horz_datum_code	Missing required field	Pore water samples were composited from water centrifuged from multiple sediment cores within the River Mile 10.9 Removal Area. No coordinates are available for these samples at this time. Future submittals may include aggregate coordinates for the location ID assigned to these samples.
TestResultQC_v3.txt	detect_flag	Result_value is required where detect_flag=Y.	This error message exists in cases of co-eluting PCB congeners. Each PCB congener result is being stored as a separate record in the CPG database. In cases of co-elutions, per EPA request, only the congener with the lowest IUPAC number receives a result value. Both records receive a qualifier of "C" plus the IUPAC number of the lowest number congener in the co-elution to indicate the linkage between the two result records.

Table	Column	Error	Description
TestResultQC_v3.txt	interpreted_qualifiers	Invalid Qualifier	Field contains original laboratory qualifiers. Lab qualifiers were transferred to interpreted_qualifiers field for lab QC data which does not receive validation.
TestResultQC_v3.txt	validator_qualifiers	Missing required field	Records were validated (Validated_yn = "Y") but were not qualified by the validator, therefore validator_qualifier should be left as null.